

Technical Data Sheet

Intercure® 4

Introduction:

Intercure® 4, produced by IB Chem S.r.l. – INTERBUSINESS GROUP, is an alicyclic amine salt used as a curing agent mainly for Fluoroelastomers (FKM).

For its safety in processing, it can be positioned between Intercure® 1 and Intercure® 3.

Its cross-linking efficiency provides FKM compounds with physical properties similar to those obtainable with Intercure®1. As with Intercure® 1, **Intercure® 4** is needed when applications require F.D.A. approval.

While levels from 1.8 to 2.2 p.h.r. of **Intercure® 4** meet a wide range of needs, a 2p.h.r. level provides an optimum balance of safe processing, cure rate and physical properties.

Typical Characteristics:

Composition			
	Substance	% by Weight	
	4,4'-methylene-bis (cyclohexylamine)carbamate	100	
Product Description			
	Formula	C ₁₄ H ₂₈ N ₂ O ₂	
	Appearance	Fine WHITE powder	
	Odour	Slight amine.	
	CAS No. /EINECS No.	13253-82-2 / 236-239-4	
	TSCA Inventory status	Listed.	
Properties			
	Description	Unit	Value
	Purity	%	97 min
	Specific Gravity		1.23 ±0.02
	Decomposition point	°C	150 min
	Moisture	%	1.5 max
	Ash Content	%	0.05 max
	Solubility	---	Soluble in acidic solutions, slightly in water.
	Particle Size	< 10µm (% Volume)	85 min.
		< 15µm (% Volume)	95 min.
		< 20µm (% Volume)	100

Shelf Life:

Keep container tightly closed in a cool and dry place (23°C and 50% RH). After 24 months, re-test before us.

Health & Safety:

Contact may cause skin or eye irritation. Inhalation, ingestion, skin and eye contact should be avoided. Gloves, safety goggles, respirator masks and protective clothing should be worn when handling the powder.

Local exhaust is recommended to remove dust. May form flammable dust-air mixtures. Avoid heat, sparks and open flames. Processing equipment should be well grounded.

Detailed advice on the Health & Safety aspects of this product is given in the individual product Material Safety Data Sheet (MSDS), available upon request.

INTERCURE® is a registered trademark of Interbusiness S.R.L., Via Spartaco 25, 20135 Milano, Italy.

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